

Focus Area 24: Respiratory Diseases

Objective 24-1e targets an overall reduction in the asthma death rate for persons aged 65 years and older to 47.0 per 1,000,000 population.

Asthma death rates for Californians aged 65 years and over declined significantly from 73.6 per 1,000,000 population in 2000 to 56.9 per 1,000,000 in 2004 (Figure 24-1e, Table 24-1e). The HP2010 target of 47.0 is not yet being achieved for this age group.

Although asthma death rates for females aged 65 and older declined significantly from 86.7 per 1,000,000 in 2000 to 65.4 per 1,000,000 in 2004, they were significantly higher than the death rates for males (55.6 per 1,000,000 in 2000 and 45.5 per 1,000,000 in 2004). This HP2010 objective is being achieved for males, but not for females aged 65 and older as of 2004.

Data by race and ethnicity show that the highest reliable asthma death rates for persons aged 65 and older were found for Asians (82.2 per 1,000,000 in 2004), with no significant trend for the 2000-2004 time period. A statistically significant decline in asthma death rates was found for the White population aged 65 and older, from 73.8 per 1,000,000 in 2000 to 57.3 per 1,000,000 in 2004. This HP2010 objective is only being achieved for the Hispanic/Latino population (33.0 per 1,000,000 in 2004). Death rates for the African American/Black, American Indian/Alaska Native, Pacific Islander, and Multirace populations aged 65 and older were unreliable due to the small number of events, and are not reported here except in instances where no deaths were reported.

For more information on asthma in California, visit the California Asthma Public Health Initiative Web site at:

<http://www.dhs.ca.gov/ps/cdic/cdcb/Medicine/Asthma/index.htm>

For more information on Healthy People 2010 objective 24-1e, please visit:

http://www.healthypeople.gov/Document/HTML/Volume2/24Respiratory.htm#_Toc489704825

and

<http://www.healthypeople.gov/Document/html/tracking/od24.htm#asthma>

Figure 24-1e
Asthma Death Rates
Among Persons Aged 65 and Over
California, 2000-2004

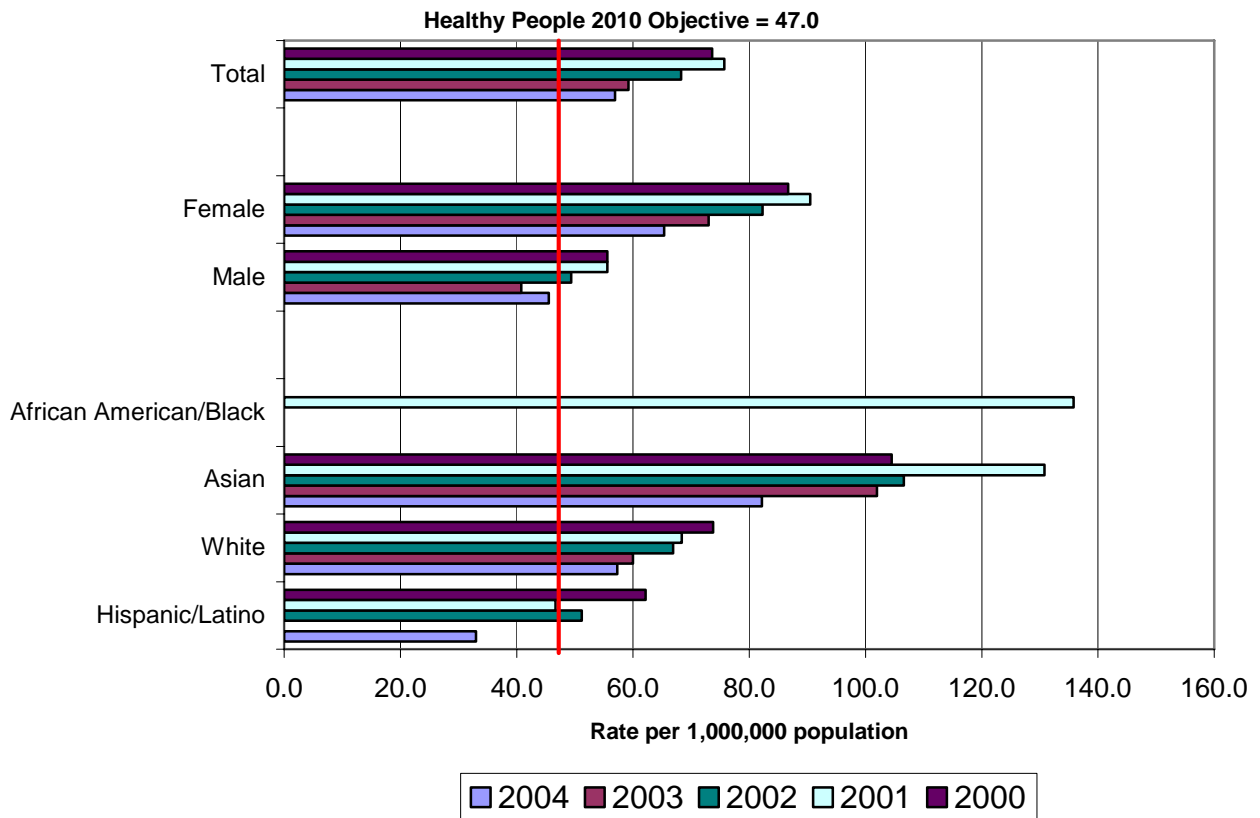


Table 24-1e: Asthma Deaths and Death Rates Among Persons Aged 65 Years and Older, California 2000-2004

Asthma Deaths, Persons Aged 65 +*	2000				2001			
	N	Rate ¹	Lower C.I.	Upper C.I.	N	Rate ¹	Lower C.I.	Upper C.I.
Healthy People 2010 Objective 24-1e	47.0				47.0			
Statewide Total	267	73.6	72.6	74.6	283	75.7	74.7	76.7
Race-Ethnicity								
African American/Black	9	DSU	-----	-----	26	135.8	131.3	140.2
American Indian/Alaska Native	1	DSU	-----	-----	2	DSU	-----	-----
Asian	38	104.5	101.3	107.8	51	130.8	127.6	133.9
Pacific Islander	1	DSU	-----	-----	2	DSU	-----	-----
Hispanic/Latino	30	62.2	59.4	65.0	24	46.7	44.0	49.5
White	188	73.8	72.6	75.0	177	68.4	62.2	67.2
Multirace	0	0.0	-----	-----	1	DSU	-----	-----
Gender								
Female	182	86.7	85.4	88.1	195	90.5	89.2	91.8
Male	85	55.6	54.0	57.2	88	55.6	54.0	57.1

Asthma Deaths, Persons Aged 65 +*	2002				2003			
	N	Rate ¹	Lower C.I.	Upper C.I.	N	Rate ¹	Lower C.I.	Upper C.I.
Healthy People 2010 Objective 24-1e	47.0				47.0			
Statewide Total	263	68.3	67.3	69.3	234	59.2	51.6	66.8
Race-Ethnicity								
African American/Black	12	DSU	-----	-----	13	DSU	-----	-----
American Indian/Alaska Native	2	DSU	-----	-----	0	0.0	-----	-----
Asian	44	106.6	103.6	109.6	44	102.0	71.9	132.2
Pacific Islander	0	0.0	-----	-----	0	0.0	-----	-----
Hispanic/Latino	28	51.2	48.5	53.8	17	DSU	-----	-----
White	176	66.9	65.7	68.1	160	60.0	50.7	69.3
Multirace	1	DSU	-----	-----	0	0.0	-----	-----
Gender								
Female	182	82.3	81.0	83.6	165	73.0	61.9	84.1
Male	81	49.4	47.9	50.9	69	40.8	31.2	50.4

Asthma Deaths, Persons Aged 65 +*	2004					
	N	Rate ¹	Lower C.I.	Upper C.I.	5-year Trend	HP2010 Objective Being Achieved?
Healthy People 2010 Objective 24-1e	47.0					
Statewide Total	227	56.9	49.5	64.2	Sig. -	No
Race-Ethnicity						
African American/Black	15	DSU	-----	-----	n/a	Unk
American Indian/Alaska Native	1	DSU	-----	-----	n/a	Unk
Asian	37	82.2	55.7	108.6	ns	No
Pacific Islander	2	DSU	-----	-----	n/a	Unk
Hispanic/Latino	20	33.0	18.5	47.4	n/a	Yes
White	152	57.3	48.2	66.4	Sig. -	No
Multirace	0	0.0	-----	-----	n/a	Unk
Gender						
Female	149	65.4	54.9	75.9	Sig. -	No
Male	78	45.5	35.4	55.6	ns	Yes

SOURCES: CA Department of Health Services, Death Records, 2000-2004; CA Department of Finance, Demographic Research Unit, Population Projections by Race/Ethnicity for California and Its Counties 2000-2050, May 2004.

NOTES: * Asthma deaths defined by ICD-10 codes J45-J46; ¹ Rate per 1,000,000 population aged 35-64 years.

ns No significant trend as measured by linear regression analysis; n/a Not applicable (fewer than five data points).

DSU Data statistically unreliable (Relative Standard Error greater than 23 percent).

Sig. - Statistically significant decrease in age-specific death rates from 2000 to 2004.